RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/774,271

Source: _____ JFWO

Date Processed by STIC: _____ 09/07/2006

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IFW16

RAW SEQUENCE LISTING   DATE: 09/07/2006
PATENT APPLICATION: US/10/774,271   TIME: 14:51:04

Input Set : A:\10-774271 - 099425-0100.ST25.txt
Output Set: N:\CRF4\09062006\J774271.raw

```
 3 <110> APPLICANT: Lipton, James M.
 5 <120> TITLE OF INVENTION: METHODS AND COMPOUNDS FOR TREATING MALABSORPTION DISEASES
AND
 6       INFLAMMATORY CONDITIONS OF THE GASTROINTESTINAL TRACT
 8 <130> FILE REFERENCE: 099425-0100
10 <140> CURRENT APPLICATION NUMBER: 10/774,271
11 <141> CURRENT FILING DATE: 2004-02-06
13 <150> PRIOR APPLICATION NUMBER: 60/445,542
14 <151> PRIOR FILING DATE: 2003-02-06
16 <160> NUMBER OF SEQ ID NOS: 19
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 13
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
27 Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
28 1               5                   10
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 3
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Fragment of SEQ ID NO:1
39 <400> SEQUENCE: 2
41 Lys Pro Val
42 1
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 10
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Fragment of SEQ ID NO:1
53 <400> SEQUENCE: 3
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56 1               5                   10
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60 <211> LENGTH: 8
61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Fragment of SEQ ID NO:1
67 <400> SEQUENCE: 4
69 His Phe Arg Trp Phe Lys Pro Val
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       74 <211> LENGTH: 8
       75 <212> TYPE: PRT
       76 <213> ORGANISM: Artificial
       78 <220> FEATURE:
       79 <223> OTHER INFORMATION: Syntheitic derviative of SEQ ID NO:1
       82 <220> FEATURE:
       83 <221> NAME/KEY: MOD_RES
       84 <222> LOCATION: (2)..(2)
       85 <223> OTHER INFORMATION: Nle
       87 <400> SEQUENCE: 5
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       90 1                5
       93 <210> SEQ ID NO: 6
       94 <211> LENGTH: 8
       95 <212> TYPE: PRT
       96 <213> ORGANISM: Artificial
       98 <220> FEATURE:
       99 <223> OTHER INFORMATION: Synthetic dimer derivative of carboxy terminus of SEQ ID NO:1
      102 <220> FEATURE:
      103 <221> NAME/KEY: DISULFID
      104 <222> LOCATION: (4)..(5)
      106 <400> SEQUENCE: 6
      108 Val Pro Lys Cys Cys Lys Pro Val
      109 1                5
      112 <210> SEQ ID NO: 7
      113 <211> LENGTH: 3
      114 <212> TYPE: PRT
      115 <213> ORGANISM: Artificial
      117 <220> FEATURE:
      118 <223> OTHER INFORMATION: Synthetic derivative of SEQ ID NO:1
      121 <220> FEATURE:
      122 <221> NAME/KEY: MISC_FEATURE
      123 <222> LOCATION: (2)..(2)
      124 <223> OTHER INFORMATION: Pro is D-isomer
      126 <400> SEQUENCE: 7
      128 Lys Pro Val
      129 1
      132 <210> SEQ ID NO: 8
      133 <211> LENGTH: 13
      134 <212> TYPE: PRT
      135 <213> ORGANISM: Artificial
      137 <220> FEATURE:
      138 <223> OTHER INFORMATION: Synthetic, modified derivative of SEQ ID NO:1
      141 <220> FEATURE:
      142 <221> NAME/KEY: MISC_FEATURE
      143 <222> LOCATION: (4)..(4)
      144 <223> OTHER INFORMATION: X is Nle
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     147 <221> NAME/KEY: MISC_FEATURE
     148 <222> LOCATION: (7)..(7)
     149 <223> OTHER INFORMATION: Phe is D-isomer
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     154 1             5                   10
     157 <210> SEQ ID NO: 9
     158 <211> LENGTH: 3
     159 <212> TYPE: PRT
     160 <213> ORGANISM: Artificial
     162 <220> FEATURE:
     163 <223> OTHER INFORMATION: Synthetic, modified derivative of SEQ ID NO:1
     166 <220> FEATURE:
     167 <221> NAME/KEY: MISC_FEATURE
     168 <222> LOCATION: (1)..(1)
     169 <223> OTHER INFORMATION: Acetylated
     171 <220> FEATURE:
     172 <221> NAME/KEY: MISC_FEATURE
     173 <222> LOCATION: (2)..(2)
     174 <223> OTHER INFORMATION: D-isomer of Lys
     176 <400> SEQUENCE: 9
     178 Lys Pro Val
     179 1
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     183 <211> LENGTH: 21
     184 <212> TYPE: DNA
     185 <213> ORGANISM: Artificial
     187 <220> FEATURE:
     188 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
     190 <400> SEQUENCE: 10
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     194 <210> SEQ ID NO: 11
     195 <211> LENGTH: 21
     196 <212> TYPE: DNA
     197 <213> ORGANISM: Artificial
     199 <220> FEATURE:
     200 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
     202 <400> SEQUENCE: 11
     203 ggggccctcg tccttcttct c                              21
     206 <210> SEQ ID NO: 12
     207 <211> LENGTH: 19
     208 <212> TYPE: DNA
     209 <213> ORGANISM: Artificial
     211 <220> FEATURE:
     212 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
     214 <400> SEQUENCE: 12
     215 gccaccatcg ccaagaacc                                 19
     218 <210> SEQ ID NO: 13
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220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
226 <400> SEQUENCE: 13
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231 <211> LENGTH: 24
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
238 <400> SEQUENCE: 14
239 cggtggccga catgctggta agtg                                24
242 <210> SEQ ID NO: 15
243 <211> LENGTH: 24
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
250 <400> SEQUENCE: 15
251 tgaggagcat catggcgaag aaca                                24
254 <210> SEQ ID NO: 16
255 <211> LENGTH: 21
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
262 <400> SEQUENCE: 16
263 cattgctgtg gaggtgtttc t                                   21
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 21
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
274 <400> SEQUENCE: 17
275 gccgtcatga tgtggtggta g                                   21
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 26
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
286 <400> SEQUENCE: 18
287 tgaaggtcgg agtcaacgga tttggt                              26
290 <210> SEQ ID NO: 19
291 <211> LENGTH: 24
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PATENT APPLICATION: **US/10/774,271**   TIME: 14:51:04

Input Set : **A:\10-774271 - 099425-0100.ST25.txt**
Output Set: **N:\CRF4\09062006\J774271.raw**

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292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
298 <400> SEQUENCE: 19
299 catgtgggcc atgaggtcca ccac                                    24
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/07/2006
PATENT APPLICATION: US/10/774,271   TIME: 14:51:05

Input Set : **A:\10-774271 - 099425-0100.ST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 2
Seq#:8; Xaa Pos. 4

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY DATE: 09/07/2006
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Input Set : **A:\10-774271 - 099425-0100.ST25.txt**
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L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0